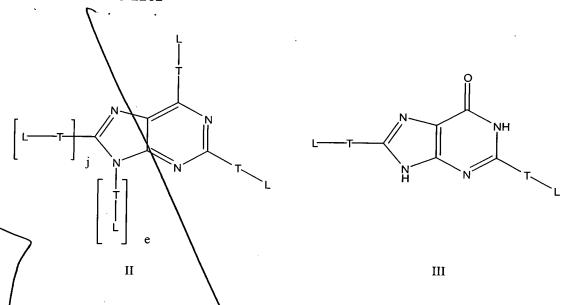
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each tether moiety T is  $-NH(R^1)NH^2$ ,  $-NH(R^1)O^2$ ,  $-NHR^2NH^2$ ,  $-NHR^2SO_2NH^2$ ,  $-NHR^1$ ,  $-N(R^4)_2$ , -N=N-, O, S, Se,  $-P(=O)(O)_2$ , NH, OR<sup>2</sup>, OR<sup>3</sup>, malonato, pyrrolidinyl, piperidinyl, piperazinyl, morpholino, imidazolyl, pyrrolyl, pyrazolyl, indolyl, 1H-indolyl,  $\alpha$ -carbolinyl, carbazolyl, phenothiazinyl, phenoxazinyl, tetrazolyl, or triazolyl;

 $R^1$  is alkylene;  $R^2$  is aryl;  $R^3$  is H or  $C_1$ - $C_{10}$  alkyl;  $R^4$  is alkyleneoxy; and each chemical substituent L is, independently,  $C_1$ - $C_{10}$  alkyl, substituted  $C_1$ - $C_{10}$ alkyl,  $C_2$ - $C_{10}$  alkenyl, substituted  $C_2$ - $C_{10}$  alkenyl,  $C_2$ - $C_{10}$  alkynyl, substituted  $C_2$ - $C_{10}$ alkynyl,  $C_4$ - $C_7$  carbocyclic alkyl, substituted  $\mathring{C}_4$ - $C_7$  carbocyclic alkyl,  $C_4$ - $C_{10}$  alkenyl carbocyclic, substituted C<sub>4</sub>-C<sub>10</sub> alkenyl carbocyclic, C<sub>4</sub>-C<sub>10</sub> alkynyl carbocyclic, substituted C<sub>4</sub>-C<sub>10</sub> alkynyl carbocyclic, C<sub>6</sub>-C<sub>14</sub> aryl, substituted C<sub>6</sub>-C<sub>14</sub> aryl, heteroaryl, substituted heteroaryl, a nitrogen, oxygen or sulfur containing heterocycle, a substituted nitrogen, oxygen or sulfur containing heterocycle, a mixed heterocycle, or a substituted mixed heterocycle; wherein each of the substituent groups is selected from a group consisting of alkyl, alkenyl, alkynyl, aryl, hydroxyl, alkoxy, benzyl, nitro, thiol, thioalkyl, thioalkoxy and halo; or L is, independently, phthalimido, an ether having 2 to 10 carbon atoms and 1 to 4 oxygen or sulfur atoms, hydrogen, halogen, hydroxyl, thiol, keto, carboxyl, NR1R2, CONR1, amidine, guanidine, glutamyl, nitro, nitrate, nitrile, trifluoromethyl, trifluoromethoxy, NH-alkyl, N-dialkyl, O-aralkyl, S-aralkyl, NH-aralkyl, azido, hydrazino, hydroxylamino, sulfoxide, sulfone, sulfide, disulfide, silyl, a nucleosidic base, an amino acid side chain, or a carbohydrate; and